

Compound	R	R ¹	Sequence, 5' to 3'	X ^a	Retention time, min ^b	
					Gradient 1	Gradient 2
8	TMT	H	T ₁₂ <SEQ. ID. NO. 1>	O	32.8	—
9	TMT	H	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	27.7	23.8
10	TMT	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	—	30.2, 30.7
11	TMT	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	O	—	29.1
12	TMT	Flu	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	33.4, 34.2	—
13	TMT	Flu	<i>AGCT₃C T₃GCACA TGTA₃</i> ^c <SEQ. ID. NO. 3>	S	35.9, 36.3	—
14	TMT	Flu	T ₁₂ <SEQ. ID. NO. 1>	O	32.9	—
15	TMT	C ₂ H ₅	T ₁₂ <SEQ. ID. NO. 1>	O	33.0	—
16	H	H	T ₁₂ <SEQ. ID. NO. 1>	O	18.0	—
17	H	H	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	19.6	16.4
18	H	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	—	25.0
19	H	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	O	—	24.5
20	H	Flu	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	23.4	—
21	H	Flu	<i>AGCT₃C T₃GCACA TGTA₃</i> ^c <SEQ. ID. NO. 3>	S	28.5	—
22	H	Flu	T ₁₂ <SEQ. ID. NO. 1>	O	22.7	—
23	H	C ₂ H ₅	T ₁₂ <SEQ. ID. NO. 1>	O	21.5	—
24	—	H	T ₁₂ <SEQ. ID. NO. 1>	O	16.2	—
25	—	H	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	18.0	15.2
26	—	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	22.6	17.1
27	—	Pyr	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	O	22.0	16.7
28	—	Flu	ATGCAT ₂ CTGC ₅ A ₂ G ₂ A <SEQ. ID. NO. 2>	S	19.1	14.5
29	—	Flu	<i>AGCT₃C T₃GCACA TGTA₃</i> ^c <SEQ. ID. NO. 3>	S	21.7	—
30	—	Flu	T ₁₂ <SEQ. ID. NO. 1>	O	18.1	—
31	—	C ₂ H ₅	T ₁₂ <SEQ. ID. NO. 1>	O	17.9	—

^a All oligonucleotides contained uniform, either phosphate (X=O) or phosphorothioate (X=S) backbone; ^b For HPLC conditions, consult Experimental Procedures; ^c 2'-O-(2-methoxyethyl) ribonucleotide residues are italicized; C stands for 5-methyl-2'-O-(2-methoxyethyl)cytidine residue.

Please delete the paragraph spanning page 49 of the specification and replace it with the following new paragraph.

Table 3. ESMS data oligonucleotides 33-40.^a

	Sequence, 5' to 3'	Backbone	ESMS, found	Molecular Formula	ESMS, calculated
33	DMTr-TGCATC ₅ AG ₂ C ₂ AC ₂ ATpO <SEQ. ID. NO. 4>	P=O	6365.2	C ₂₁₁ H ₂₆₃ N ₇₁ O ₁₂₂ P ₂₀	6365.2
34	DMTr-TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS <SEQ. ID. NO. 5>	P=O	6381.7	C ₂₁₁ H ₂₆₃ N ₇₁ O ₁₂₁ P ₂₀ S	6381.3
35	DMTr-TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS <SEQ. ID. NO. 5>	P=S	6686.9	C ₂₁₁ H ₂₆₃ N ₇₁ O ₁₀₂ P ₂₀ S ₂₀	6686.5
36	TGCATC ₅ AG ₂ C ₂ AC ₂ ATpO <SEQ. ID. NO. 6>	P=O	6062.2	C ₁₉₀ H ₂₄₅ N ₇₁ O ₁₂₀ P ₂₀	6062.8
37	TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS <SEQ. ID. NO. 7>	P=O	6079.4	C ₁₉₀ H ₂₄₅ N ₇₁ O ₁₁₉ P ₂₀ S	6078.9
38	TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS <SEQ. ID. NO. 7>	P=S	6384.7	C ₁₉₀ H ₂₄₅ N ₇₁ O ₁₀₀ P ₂₀ S ₂₀	6384.2
39	TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS-Pyr <SEQ. ID. NO. 8>	P=O	6350.9	C ₂₀₉ H ₂₅₈ N ₇₂ O ₁₂₀ P ₂₀ S	6350.2
40	TGCATC ₅ AG ₂ C ₂ AC ₂ ATpS-Flu <SEQ. ID. NO. 9>	P=O	6467.0	C ₂₁₂ H ₂₅₈ N ₇₂ O ₁₂₅ P ₂₀ S	6466.2

Please delete the paragraph spanning page 77 of the specification and replace it with the following new paragraph.

Table 9: Cholesterol-Conjugated Oligonucleotides (4)

Cmpd	Sequence (5' - 3')	Backbone	Quantity	MW		More Info
				calc	Found	